PROJECT DESCRIPTION EQUIPMENT LIST "A" **EQUIPMENT LIST "B"** GENERAL NO EQUIPMENT TO BE SUPPLIED BY THE SHA B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR THIS PROJECT INVOLVES THE MODIFICATION OF THE EXISTING TRAFFIC CONTROL SIGNAL AT THE INTERSECTION OF MD 542 (LOCH RAVEN BLVD) AND TAYLOR AVENUE IN BALTIMORE COUNTY, MARYLAND. MD 542 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION. ITEM NO. QUANTITY DESCRIPTION 1001 1 EACH MAINTENANCE OF TRAFFIC INTERSECTION OPERATION 8001 24 EACH 12 INCH (R,Y,G) LED SIGNAL HEAD SECTION THE INTERSECTION WILL OPERATE IN A NEMA EIGHT-PHASE, FULL-TRAFFIC-ACTUATED MODE WITH THE MD 542 APPROACHES OPERATING CONCURRENTLY AND THE TAYLOR AVENUE APPROACHES OPERATING CONCURRENTLY. 8017 REM & DISPOSE MAT & EQUIP PER ASSIGN 1 EACH EXCLUSIVE LEFT TURN PHASING WILL BE PROVIDED FOR THE NORTHBOUND AND SOUTHBOUD MD 542 APPROACHES. 510 L.F. 8059 ELECTRICAL CABLE - 7 CONDUCTOR (NO. 14 AWG) EXCLUSIVE/PERMISSIVE LEFT-TURN PHASING IS PROVIDED FOR THE EASTBOUND AND WESTBOUND TAYLOR AVENUE APPROACHES. AN ALTERNATE PEDESTRIAN PHASE IS PROVIDED ACROSS BOTH LEGS OF MD 542 AND PEDESTRIAN INDICATIONS ARE PROVIDED ACROSS BOTH LEGS OF TAYLOR AVENUE. CONTROLLER REQUIREMENTS THE EXISTING BASE MOUNTED CABINET AND CONTROLLER WILL BE USED. MAINTENANCE OF TRAFFIC EQUIPMENT LIST "C" THE FOLLOWING TRAFFIC CONTROL STANDARDS SHALL BE REFERENCED FOR THE PROJECT. ADDITIONAL TRAFFIC CONTROL STANDARDS MAY BE USED AS DIRECTED BY THE ENGINEER. C. EQUIPMENT TO BE REMOVED AND RETURNED TO SHA ALL REMOVED SIGNAL MATERIALS SHALL BECOME PROPERTY OF THE CONTRACTOR STANDARD NO. MD-104.04-01 (SHOULDER WORK) STANDARD NO. MD-104.04-03 (LEFT LANE CLOSURE) STANDARD NO. MD-104.04-13 (LEFT TURN BAY CLOSURE) PROJECT CONTACTS THE CONTACT PERSONS FOR SHA ARE AS FOLLOWS: MS. ERIN KUHN ASSISTANT CHIEF, TRAFFIC OPERATIONS DIVISION PHONE: (410) 787-7631 ASSISTANT DISTRICT ENGINEER - TRAFFIC PHONE: (410) 321-2781/2785 MR. RICHARD L. DAFF, SR. CHIEF, TRAFFIC OPERATIONS DIVISION PHONE: (410) 787-7630 MR. ANDRE FUTRELL ASSISTANT DISTRICT ENGINEER - MAINTENANCE PHONE: (410) 321-2761 MR. MIKE PASQUARIELLO ASSISTANT DISTRICT UTILITY ENGINEER PHONE: (410) 321-2841 WIRING DIAGRAM PHASE CHART 9 10 11 12 13 14 15 16 17 18 19 20 21 22 R Y G (R)>(G) R > G WIRING KEY A 7-CONDUCTOR ELECTRICAL B CABLE (NO. 14 A.W.G.) PHASE 1 + 5 ← G— ← G— $R \leftarrow G \leftarrow G \leftarrow$ R DW DW DW DW DW 1 ÷ 5 CHANGE PHASE 1 + 5 MAY CHANGE TO PHASE 1 + 6, PHASE 2 + 5 OR PHASE 2 + 6 PHASE 1 + 6 DW 1 + 6 CHANGE PHASE 2 + 5 2 + 5 CHANGE PHASE 2 + 6 |← R---|← R---| WK PED CLEARANCE FL/DW | FL/DW | FL/DW | 2 + 6 CHANGE DW DW PHASE 3 AND 7 3 AND 7 CHANGE PHASE 3 + 7 MAY CHANGE TO PHASE 3 + 8, PHASE 4 + 7 OR PHASE 4 + 8 PHASE 3 AND 8 R DW DW 3 AND 8 CHANGE PHASE 4 AND 7 | ← R — | ← R — | 4 AND 7 CHANGE |← R---|← R---| PHASE 4 AND 8 |← R---| STATE OF MARYLAND 4 AND 8 CHANGE DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION PHASE 4 AND 8 ALT. [← R—]← R---| OFFICE OF TRAFFIC & SAFETY PED CLEARANCE R |←R—|←R—| R | DW FL/DW FL/DW | FL/DW | TRAFFIC ENGINEERING DESIGN DIVISION 4 + 8 ALT. CHANGE | ← R — | ← R — | $R \leftarrow R - \leftarrow R - \leftarrow R$ DW DW MD 542 (Loch Raven Blvd) and ¹ FL∕R □ FLASHING + FLR - + FLR - | FLY | + FLR - + FLR - | FLY | FLY | FL/R FL/R FL⁄R FL/R FL/R DARK DARK DARK DARK DARK DARK A . B ---OPERATION GENERAL INFORMATION SHEET DRAWN BY CHECKED BY WHITMAN, REQUARDT & ASSOCIATES, LLP

801 South Caroline Street, Baltimore, Maryland 21231

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SCALE NONE ADVERTISED DATE 6/12/2009 CONTRACT NO. XX4485185

DRAWING TSP-1 OF 2

COUNTY LOGMILE N. Leary Outle

SHEET NO. 2 OF 2

Taylor Avenue

TOD NO: XX448-34 SHA NO: BA838A54/B54

MD 542 @ TAYLOR AVE

TS NO. 2011C